



Montana Department of Transportation
PO Box 201001
Helena, MT 59620-1001

MEMORANDUM

To: See Distribution
From: Mark Wissinger, P.E.
Construction Engineer
Date: June 29th, 2006
Subject: Supplemental Specification Revision: 703.16 Treated Timber Poles and
703.17 Wood Poles for Overhead Conductor Highway Lighting

The Construction Administration Services Bureau is proposing revisions to Standard Specifications, 703.16 Treated Timber Poles and 703.17 Wood Poles for Overhead Conductor Highway Lighting. Following the Standard Specification Revision Process outlined in the Construction Engineer's Memorandum dated January 9, 2002 the following information is provided.

1. Standard Specifications: 703.16 Treated Timber Poles and 703.17 Wood Poles for Overhead Conductor Highway Lighting will be modified.
2. The Proposed Draft of the changes is attached along with this memorandum.
3. Revision to the Standard Specification is needed to align MDT standards with current AWP standards.
4. Those impacted by the change include:
 - Materials Timber Inspectors
 - Suppliers
5. The following individuals were consulted and/or involved in developing the proposed revisions:
 - Anson Moffett – Quality Control Engineer
 - Pat Hoy – Timber Inspector

*It is requested that comments on **the proposed revisions only**, be returned to the mdtspecifications@mt.gov no later than July 31st, 2006.*

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Loran Frazier	Dist. Const. Engineers	FHWA
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703.16 CLASS 4 TREATED TIMBER POLES

Furnish the pole length and place as specified in the contract.

Furnish ANSI Class 4, machine peeled poles pressure treated with a five percent solution of pentachlorophenol or Copper Naphthenate (CuN) meeting AWPAs Standards and Commodity specification D with retention specifications from Commodity specification B Use Category 4A. Seat, backfill, and compact around the poles. Compact backfill in 9-inch (230 mm) lifts. Plumb and rake the pole as directed.

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Treat injuries, cuts, and holes in poles after treatment with three applications of copper naphthenate solution containing a minimum two percent copper metal or with Chromate Copper Arsenate (CCA) meeting AWPAs M4 requirements.

703.17.3 Wood Poles for Overhead Conductor Highway Lighting

Furnish wood poles meeting ANSI specifications. The poles must be straight so that a line drawn from the butt center to the top center passes through the pole body. The poles must be machined-peeled and set to the ANSI recommended depth. Set poles plumb and true to line. Compact backfill in 9-inch (230 mm) lifts.

Full-length pressure treat poles with a five percent by weight pentachlorophenol solution or Chromated Copper Arsenate (CCA), Type B or C, or Ammoniacal Copper Arsenate (ACA) or Copper Naphthenate (CuN) meeting AWPAs Standards and Commodity specification D with retention specifications from Commodity specification B Use Category 4A.

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Treat injuries, cuts, and holes in poles after treatment with three applications of copper naphthenate solution containing a minimum two percent copper metal or with Chromate Copper Arsenate (CCA) meeting AWPAs M4 requirements.

Deleted: Repair pole finish damage as directed.¶